

LAHONTAN VI WETLANDS WATER RIGHT ACQUISITION

Adjusted Yards Model Figures
80 Year Average

	1989 Actual	1989 Calibration	Baseline No Acqui Low High	No Action Low High	Total Low	Range of Water Right High	Acquisition Extreme
Agricultural Acres - Carson Division	55,980	54,320	56,726 56,726	51,076 51,076	32,976	27,966	21,709
Lahontan Reservoir Releases	317,100	321,900	281,100 282,700	276,900 278,400	267,700	277,200	245,200
Headgate Demand	197,100	197,100	197,200 197,200	194,100 194,100	196,300	196,000	177,500
Headgate Delivery	194,500	195,900	192,600 192,500	190,000 189,900	192,600	192,700	176,100
Newlands Project Efficiency	61.3%	61.2%	68.5% 68.1%	68.6% 68.2%	69.6%	70.6%	71.8%
Acquired Acres for Wetlands	0	0	0 0	5,500 5,500	23,750	28,760	35,020
Acre-Feet Acquired (Avg 3.7 AF/A)*	0	0	0 0	20,000 20,000	87,880	106,410	129,570
Transfer Rate	n/a	n/a	n/a n/a	2.99 2.99	3.50	3.50	2.99
Acre-Feet Transferred	0	0	0 0	16,900 16,900	83,100	100,700	104,700
Acre-Feet Delivered	0	0	0 0	16,700 16,700	79,300	99,200	104,000
Return Flows to Wetlands		61,800	45,700 33,700	43,400 31,900	38,700	26,000	23,200
Total Wetland Inflow		61,800	45,700 33,700	60,000 47,500	120,600	125,230	126,100
Wetland Acres Maintained		13,400	11,500 8,750	13,900 11,200	24,900	25,100	25,000
Pyramid Lake Inflow			419,700 418,700	422,900 422,000	424,000	427,100	444,090

- * Acre-feet acquired does not include water rights purchased but not transferred. To date 12% of water purchased has not been transferred.
- Re-use of drain water to increase Project efficiency will decrease both wetland inflows and acres and increase water rights purchase needs.
- Normal wetland water requirements are 5.0 ac/ft/ac. Intensive management which allows wetland acres to decrease during the summer and increase during the winter month will reduce requirements to 4.6 ac/ft/ac and were used in this model run.

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